

Claims

1. An apparatus for delivering a liquid into a sink, said apparatus comprising a sink with a cavity having an inner wall and an outer wall and having a plurality of perforations extending therethrough, said perforations being located
5 in said cavity in an irregular pattern and being in fluid communication with a source of said liquid, and said apparatus being selectively operable to introduce said liquid into said cavity through said perforations in a plurality of independent irregularly spaced streams.
2. An apparatus according to claim 1 wherein said streams converge to
10 form a dome-like display.
3. An apparatus in accordance with claim 2, wherein said cavity is hemispherical in shape.
4. An apparatus in accordance with claim 3, wherein said perforations are distributed over the entirety of said cavity.
- 15 5. An apparatus in accordance with claim 3, wherein said perforations are distributed only over a collar portion of said cavity.
6. An apparatus in accordance with claim 5, wherein said perforations are substantially circular in cross-section.
7. An apparatus in accordance with claim 6, wherein substantially all of
20 said perforations are of substantially the same diameter.
8. An apparatus in accordance with claim 6, wherein a percentage of said perforations are of a first diameter and the remainder of said perforations are of a second diameter that is greater than said first diameter.

9. An apparatus in accordance with claim 8, wherein said percentage of said perforations comprises substantially one-half of said perforations.

10. An apparatus in accordance with claim 9, wherein said first diameter differs from said second diameter by no more than 1/32 inch.

5 11. An apparatus in accordance with claim 10 further comprising a distribution conduit positioned outside said cavity adjacent said outer wall and substantially surrounding said collar portion, said conduit being in fluid communication with said source of said liquid, a dispersion chamber juxtaposed between said conduit and said outer wall, said chamber being in fluid
10 communication with said conduit, and a thickening element abutting said outer wall and juxtaposed between said chamber and said outer wall, said thickening element having a plurality of apertures extending therethrough, said plurality of apertures being in fluid communication with said chamber, and each one of said plurality of apertures being in fluid communication with one of said plurality of
15 perforations.

12. An apparatus for delivering a liquid into a sink, said apparatus comprising a sink with a cavity having an inner wall and an outer wall and having a plurality of perforations extending therethrough, and a faucet assembly in fluid communication with said plurality of perforations and with a source of said liquid,
20 said faucet assembly being selectively operable to introduce said liquid into said cavity through said perforations in a plurality of independent streams.

13. An apparatus in accordance with claim 12, wherein said perforations are distributed in a non-regular pattern.

14. An apparatus in accordance with claim 13, wherein said cavity is
25 hemispherical in shape.

15. An apparatus in accordance with claim 14, wherein said perforations are distributed over the entirety of said cavity.

16. An apparatus in accordance with claim 14, wherein said perforations are distributed only over a collar portion of said cavity.

5 17. An apparatus in accordance with claim 16, wherein said perforations are substantially circular in cross-section.

18. An apparatus in accordance with claim 17, wherein substantially all of said perforations are of substantially the same diameter.

10 19. An apparatus in accordance with claim 17, wherein a percentage of said perforations are of a first diameter and the remainder of said perforations are of a second diameter that is greater than said first diameter.

20. An apparatus in accordance with claim 19, wherein said percentage of said perforations comprises substantially one-half of said perforations.

15 21. An apparatus in accordance with claim 20, wherein said first diameter differs from said second diameter by no more than 1/32 inch.

20 22. An apparatus in accordance with claim 21 further comprising a distribution conduit positioned outside said cavity adjacent said outer wall and substantially surrounding said collar portion, said conduit being in fluid communication with said faucet assembly, a dispersion chamber juxtaposed between said conduit and said outer wall, said chamber being in fluid communication with said conduit, and a thickening element abutting said outer wall and juxtaposed between said chamber and said outer wall, said thickening element having a plurality of apertures extending therethrough, said plurality of apertures being in fluid communication with said chamber, and each one of said

plurality of apertures being in fluid communication with one of said plurality of perforations.

23. An apparatus in accordance with claim 22, wherein said faucet assembly is located remotely from said cavity.

5 24. In a liquid delivery system for a sink, said system comprising a sink with a cavity and a faucet assembly in fluid communication with a source of said liquid for selective introduction thereof into said cavity, the improvement comprising a plurality of perforations in said cavity, said perforations being located in said cavity in an irregular pattern and said perforations being in fluid
10 communication with said faucet assembly, and said faucet assembly being adapted to selectively introduce said liquid into said cavity through said perforations in a plurality of independent streams.

 25. In connection with a basin and a source of a liquid, a display comprising a plurality of disparate irregularly spaced streams of a liquid, said
15 streams converging in a dome-like shape above said basin and originating from a plurality of perforations distributed over the surface of said basin in a non-regular pattern, said perforations being in fluid communication with said source of said liquid.